Special Issue

Optical Sensor Technologies in Sustaining Quality of Life

Message from the Guest Editors

The focus of this issue is on the application of the following optical instrumentation and measurement techniques:

- Ultraviolet, visible, and near infrared spectroscopy
- Raman spectroscopy
- Fourier transform infrared spectroscopy
- Fluorescence spectroscopy
- Colorimetry
- Optical fibre sensor technologies
- Development of specialised, simplified and lower-cost optical sensing systems

For the following (but not limited) potential applications

- The measurement of air pollution, such as quantification of aerosol and particulate matter
- Water quality measurement, including turbidity, total suspended solids, total dissolved solids
- Characterising light pollution and its threat to biodiversity
- The measurement of solar ultraviolet irradiance, including its implication on human health
- Monitoring of climate change
- Early detection of plant disease and physiological responses to stress
- Measurement of fruits' intrinsic qualities, such as soluble solid contents...
- Detection of food adulteration and mishandling

Guest Editors

Dr. Ahmad Fairuz Omar

Engineering Physics Laboratory, School of Physics, Universiti Sains Malaysia, Penang, Malaysia

Prof. Dr. M. Jamal Deen

Department of Electrical and Computer Engineering, McMaster University, Hamilton, ON L8S 4K1, Canada

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Photonics
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
photonics@mdpi.com

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Message from the Editor-in-Chief

You are invited to contribute a research article or a comprehensive review for consideration and publication in *Photonics* (ISSN 2304-6732). *Photonics* is an online open access journal covering both the fundamental and applications of optics and photonics. *Photonics* strives to provide an avenue to allow authors to disseminate their scientific findings—both theoretical/ simulations and experimental works—in highly accessible peer-reviewed journal publications. The manuscript in *Photonics* will be handled with quick turnaround production processing time. We welcome authors to submit their manuscripts for publications in *Photonics*. Our goal in *Photonics* is to enable fast dissemination of high impact works to the scientific community.

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Prof. Dr. Nelson Tansu
School of Electrical and Electronic Engineering (EEE), The University of Adelaide, Adelaide, SA 5005, Australia

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